



# Crop Progress and Condition

**USDA, NASS, Kentucky Field Office**  
David Knopf, Director  
PO Box 1120  
Louisville, Kentucky 40201-1120  
(502) 907-3250 or 1-800-928-5277  
**Email:** nassrfoemr@nass.usda.gov

**In Cooperation with:**  
Univ. of KY – Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

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**Agricultural News:** Kentucky experienced above normal temperatures and precipitation over the past week. Precipitation for the week totaled 1.95 inches, 0.93 inches above normal. Temperatures averaged 54 degrees for the week, 4 degrees above normal. **Topsoil moisture** was rated 32 percent adequate and 68 percent surplus. **Subsoil moisture** was rated 40 percent adequate and 60 percent surplus. Days suitable for fieldwork averaged 1 out of a possible seven.

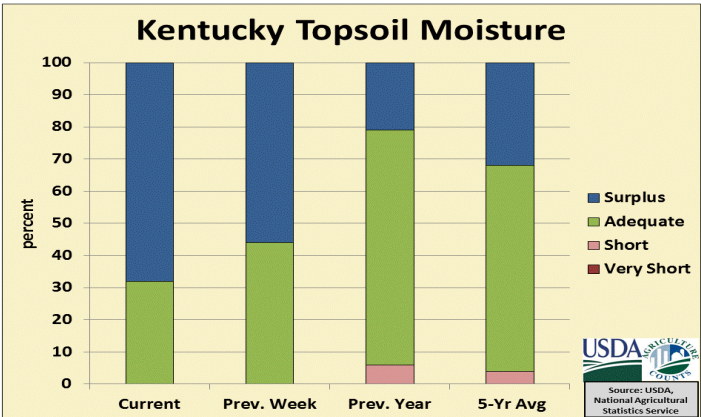
Primary activity for this week was seeding of tobacco transplants. Persistent rainfall and cool temperatures statewide have kept farmers from working the fields in preparation for spring planting. The ground is saturated in many areas with some ponding reported in low lying fields. There was very little freeze damage reported for winter wheat and the crop is in mostly good condition at this time. Freeze damage to Alfalfa was not prevalent in the state and was reported as light where it existed.

Livestock operations are looking ahead to spring calving and monitoring the condition of their herds. The condition of livestock was rated as 1 percent very poor, 4 percent poor, 20 percent fair, 68 percent good, and 7 percent excellent. Approximately 30 percent of feed for cattle and calves was obtained from pastures. The condition of pastures was reported as 6 percent very poor, 13 percent poor, 31 percent fair, 46 percent good, and 4 percent excellent. The muddy conditions and temperature swings have had an effect on cattle according to some producers. Hay supplies are getting short for some farmers as they await spring rejuvenation of pastures. The extremely wet conditions have caused a good deal of damage to some grazing land due to livestock traffic.

SOIL MOISTURE for week ending 04/01/18

|         | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
|         | %          | %     | %        | %       |
| Topsoil | -          | -     | 32       | 68      |
| Subsoil | -          | -     | 40       | 60      |

- Represents zero.



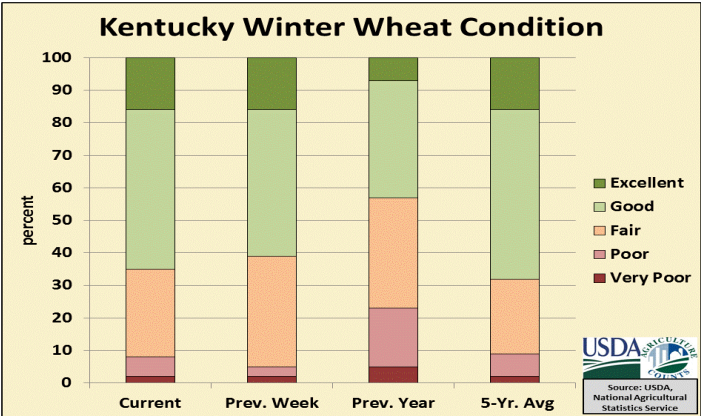
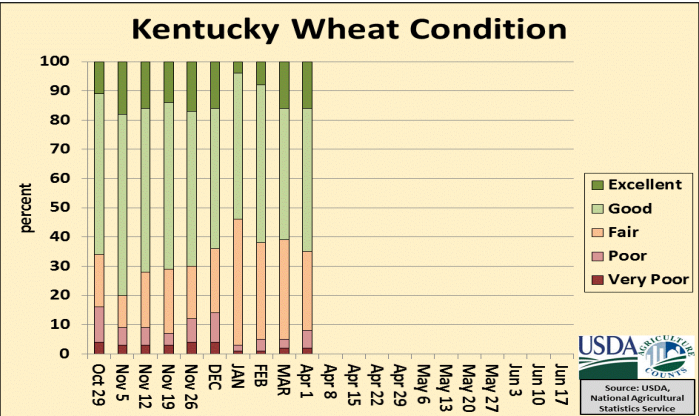
CROP PROGRESS for week ending 04/01/18

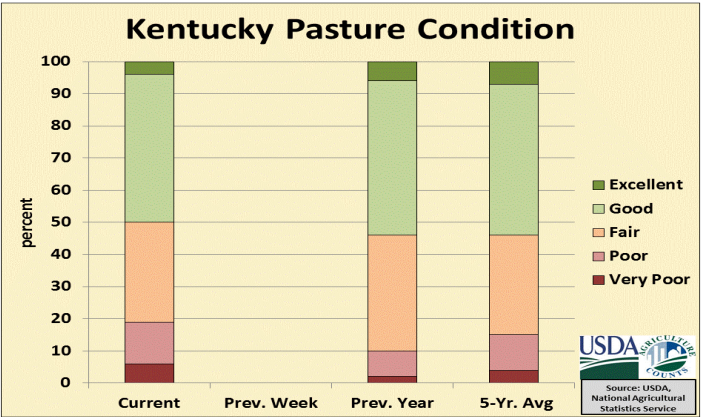
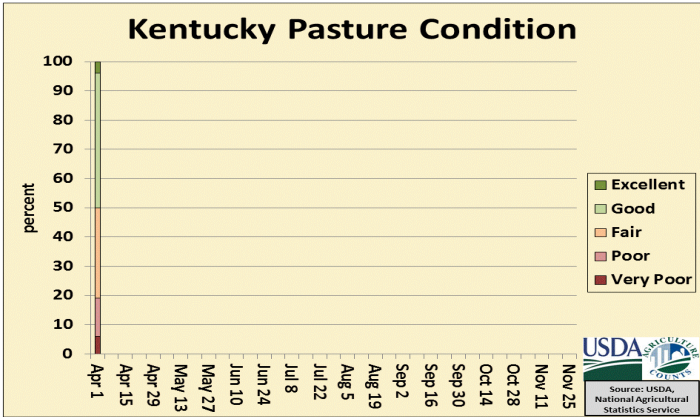
| Crop Stage                 | This Week | Last Week | Last Year | 5-Yr Avg |
|----------------------------|-----------|-----------|-----------|----------|
|                            | %         | %         | %         | %        |
| Tobacco Transplants Seeded | 53        | -         | -         | -        |

- Not available.

CROP CONDITIONS for week ending 04/01/18

| Crop      | Very Poor | Poor | Fair | Good | Excellent |
|-----------|-----------|------|------|------|-----------|
|           | %         | %    | %    | %    | %         |
| Livestock | 1         | 4    | 20   | 68   | 7         |
| Pasture   | 6         | 13   | 31   | 46   | 4         |
| Wheat     | 2         | 6    | 27   | 49   | 16        |





**Kentucky Climate Summary**  
**For the Period March 26, 2017 to April 1, 2018**

Above Normal Temperatures and Precipitation:

As the growing season comes to a start, Kentucky grounds are saturated behind excessively wet conditions over the last week of March. From Tuesday through Friday, a frontal boundary remained in the vicinity of Kentucky and was the focus for multiple rounds of rainfall as disturbances passed overhead. A deep plume of moisture from the Gulf led to a very moist atmosphere and moderate to heavy rainfall from time to time. While the main show came over the course of the workweek, a couple more rounds arrived over the weekend. Overall, Kentucky averaged nearly two inches for the week, which led to a second straight week of above normal precipitation for Kentucky. Temperature-wise, highs jumped into the 50s and 60s on a daily basis. Even hit the 70s in some spots. This period marked the first time that Kentucky temperatures had averaged above normal since the first week of March.

Temperatures for the period averaged 54 degrees across the state which was 4 degrees warmer than normal and 14 degrees warmer than the previous period. High temperatures averaged from 61 in the West to 63 in the East. Departure from normal high temperatures ranged from 3 degrees cooler than normal in the West to 1 degree warmer than normal in the East. Low temperatures averaged from 46 degrees in the West to 46 degrees in the East. Departure from normal low temperature ranged from 6 degrees warmer than normal in the West to 10 degrees warmer than normal in the East. The extreme high temperature for the period was 78 degrees at WHITESBURG 2NW and the extreme low was 29 degrees at BRANDENBURG 4SW.

Precipitation (liq. equ.) for the period totaled 1.95 inches statewide which was 0.93 inches above normal and 191% of normal. Precipitation totals by climate division, West 2.39 inches, Central 2.19 inches, Bluegrass 1.75 inches and East 1.47 inches, which was 1.29, 1.11, 0.83 and 0.48 inches above normal. By station, precipitation totals ranged from a low of 0.29 inches at YELLOW CREEK to a high of 4.23 inches at CARBONDALE ASOS.

**KENTUCKY TEMPERATURES AND RAIN FALL**  
**FOR WEEK ENDING SUNDAY, 04/01/18 4 p.m.**

| Weather Station | Precipitation |             | Deviation<br>From Norm<br>Since Jan 1 | Temperatures         |                      |                      |                      |                      | Air Temp.<br>Dev.<br>From Normal |
|-----------------|---------------|-------------|---------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------------|
|                 | Last Week     | Since Jan 1 |                                       | Soil                 |                      | Air                  |                      | Wkly. Avg.           |                                  |
|                 |               |             |                                       | 4 In. Grass          |                      |                      |                      |                      |                                  |
|                 |               |             |                                       | High                 | Low                  | High                 | Low                  |                      |                                  |
|                 | (Inches)      | (Inches)    | (Inches)                              | (Degrees Fahrenheit) | (Degrees Fahrenheit) | (Degrees Fahrenheit) | (Degrees Fahrenheit) | (Degrees Fahrenheit) | (Degrees Fahrenheit)             |
| Bardstown       | 1.99          | 19.15       | 8.55                                  | 57                   | 43                   | 68                   | 33                   | 54                   | 4                                |
| Berea           | 1.67          | 15.97       | 5.78                                  | --                   | --                   | 69                   | 30                   | 54                   | 5                                |
| Bowling Green   | 1.91          | 16.04       | 2.85                                  | 58                   | 47                   | 71                   | 34                   | 56                   | 6                                |
| Bristol         | 0.00          | 4.90        | -5.58                                 | --                   | --                   | 67                   | 41                   | 56                   | 7                                |
| Buckhorn Lake   | 0.74          | 14.25       | 2.65                                  | --                   | --                   | 74                   | 33                   | 55                   | 6                                |
| Cape Girardeau  | 3.33          | 18.98       | 7.58                                  | --                   | --                   | 62                   | 36                   | 51                   | -2                               |
| Campbellsville  | 2.17          | 16.92       | 4.23                                  | --                   | --                   | 68                   | 31                   | 54                   | 4                                |
| Covington       | 2.25          | 16.55       | 6.91                                  | --                   | --                   | 61                   | 29                   | 49                   | 0                                |
| Cumberland Gap  | 0.35          | 18.20       | 4.68                                  | --                   | --                   | 73                   | 34                   | 57                   | 8                                |
| Dix Dam         | 1.95          | 17.26       | 6.40                                  | --                   | --                   | 69                   | 34                   | 53                   | 4                                |
| Evansville      | 3.19          | 16.09       | 5.47                                  | --                   | --                   | 63                   | 34                   | 50                   | -3                               |
| Glasgow         | 1.94          | 15.52       | 2.26                                  | 55                   | 45                   | 68                   | 34                   | 55                   | 5                                |
| Grayson         | 2.00          | 15.55       | 6.27                                  | --                   | --                   | 67                   | 30                   | 52                   | 3                                |
| Hardinsburg     | 1.82          | 18.61       | 6.50                                  | --                   | --                   | 73                   | 34                   | 54                   | 4                                |
| Henderson       | 2.02          | 15.75       | 4.73                                  | --                   | --                   | 65                   | 32                   | 52                   | -1                               |
| Huntington      | 2.06          | 14.91       | 5.68                                  | --                   | --                   | 71                   | 33                   | 53                   | 4                                |
| Jackson         | 2.63          | 17.44       | 6.07                                  | --                   | --                   | 71                   | 32                   | 55                   | 6                                |
| Lexington       | 1.62          | 17.89       | 7.29                                  | 55                   | 43                   | 69                   | 33                   | 54                   | 5                                |
| London          | 1.37          | 15.57       | 3.94                                  | --                   | --                   | 68                   | 30                   | 56                   | 7                                |
| Louisville      | 1.69          | 19.13       | 8.17                                  | --                   | --                   | 69                   | 36                   | 55                   | 5                                |
| Mayfield        | 2.01          | 21.14       | 7.19                                  | --                   | --                   | 72                   | 37                   | 55                   | 2                                |
| Nashville       | 0.08          | 17.45       | 5.04                                  | --                   | --                   | 72                   | 41                   | 57                   | 7                                |
| Nolin Lake      | 1.79          | 18.20       | 6.03                                  | --                   | --                   | 71                   | 32                   | 56                   | 6                                |
| Paducah         | 2.21          | 18.07       | 5.81                                  | 56                   | 46                   | 71                   | 36                   | 54                   | 1                                |
| Princeton       | 1.98          | 17.68       | 4.35                                  | 58                   | 43                   | 70                   | 35                   | 55                   | 2                                |
| Quicksand       | 1.94          | 15.19       | 3.82                                  | --                   | --                   | 74                   | 34                   | 55                   | 6                                |
| Somerset        | 2.65          | 17.54       | 5.31                                  | --                   | --                   | 69                   | 30                   | 54                   | 5                                |
| Spindletop      | 1.82          | 21.14       | 10.54                                 | 55                   | 43                   | 67                   | 35                   | 52                   | 3                                |
| Williamstown    | 2.00          | 15.35       | 5.20                                  | --                   | --                   | 61                   | 31                   | 51                   | 2                                |

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859) 218-4364.